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UTILITY	
PATENT APPLICATION	٧
TRANSMITTAL	

Signature

Attorn y Docket No.	
First Inventor	
Title	
Former Mail shall	_ {

(Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. Assistant Commissioner for Patents **APPLICATION ELEMENTS** ADDRESS TO: **Box Patent Application** See MPEP chapter 600 concerning utility patent application contents. Washington, DC 20231 Fee Transmittal Form (e.g., PTO/SB/17) CD-ROM or CD-R in duplicate, large table or it an original and a duplicate for fee processing) Computer Program (Appendix) Applicant claims small entity status. 8. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) Specification [Total Pages Computer Readable Form (CRF) 3 (preferred arrangement set forth b Descriptive title of the invention b. Specification Sequence Listing on: Cross Reference to Related Applications CD-ROM or CD-R (2 copies); or i. 🔲 - Statement Regarding Fed sponsored R & D Reference to sequence listing, a table, i i. 🔲 or a computer program listing appendix Statements verifying identity of above copies - Background of the Invention - Brief Summary of the Invention ACCOMPANYING APPLICATION PARTS - Brief Description of the Drawings (if filed) - Detailed Description Assignment Papers (cover sheet & document(s)) 9. - Claim(s) Power of 37 CFR 3.73(b) Statement - Abstract of the Disclosure Attorney (when there is an assignee) English Translation Document (if applicable) 4. 2 Drawing(s) (35 U.S.C. 113) [ Total Sheets Coples of IDS Information Disclosure 12 5. Oath or Declaration [ Total Pages Citations Statement (IDS)/PTO-1449 **Preliminary Amendment** Newly executed (original or copy) Copy from a prior application (37 CFR 1.63 (d)) Return Receipt Postcard (MPEP 503) h (for continuation/divisional with Box 18 completed) (Should be specifically itemized) Certified Copy of Priority Document(s) (if foreign priority is claimed) DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR Nonpublication Request under 35 U.S.C. 122 1.63(d)(2) and 1.33(b). (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Divisional Continuation-in-part (CIP) Continuation of prior application No.: Group Art Unit: Prior application information: Examiner: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label Name Address Zip Code State City Country Telephone Fax Name (Print/Type) Registration No. (Attorney/Agent)

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual/case/ Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



PTO/SB/17 (10-02) Approved for use through 10/31/2002, OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number Complete if Known FEE TRANSMITTAL **Application Number** Filing Date for FY 2003 First Named Inventor Patent fees are subject to annual revision. **Examiner Name** Applicant claims small entity status. See 37 CFR 1.27 Art Unit TOTAL AMOUNT OF PAYMENT Attorney Docket No. FEE CALCULATION (continued) METHOD OF PAYMENT (check all that apply) Money Order 3. ADDITIONAL FEES Check Credit card Other None arge Entity | Small Entity Deposit Account: Fee Description Deposit Code (\$) Code (\$) Fee Paid 1051 130 2051 65 Surcharge - late filing fee or oath Number Deposit 1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet Name 1053 130 1053 130 Non-English specification The Commissioner is authorized to: (check all that apply) 1812 2,520 1812 2,520 For filing a request for ex parte reexamination Credit any overpayments Charge fee(s) indicated below Requesting publication of SIR prior to 1804 9201 1804 920° Charge any additional fee(s) during the pendency of this application Examiner action Charge fee(s) indicated below, except for the filing fee 1805 1,840 1805 1,840\* Requesting publication of SIR after to the above-identified deposit account. Examiner action 1251 110 2251 55 Extension for reply within first month **FEE CALCULATION** Extension for reply within second month 1252 400 2252 200 1. BASIC FILING FEE 1253 920 2253 460 Extension for reply within third month arge Entity Small Entity Fee Paid Fee Description 1254 1.440 2254 720 Extension for reply within fourth month 2255 980 Extension for reply within fifth month 1255 1,960 1001 740 2001 370 Utility filing fee **3**70 1002 330 2002 165 Design filing fee 1401 320 2401 160 Notice of Appeal 1003 510 2003 255 1402 320 2402 160 Filing a brief in support of an appeal Plant filing fee Request for oral hearing 1004 740 2004 370 Reissue filing fee 1403 280 2403 140 1005 160 2005 Provisional filing fee 1451 1,510 1451 1,510 Petition to institute a public use proceeding 1452 110 2452 55 Petition to revive - unavoidable SUBTOTAL (1) (\$) 1453 1,280 2453 640 Petition to revive - unintentional 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE 2501 1501 1.280 640 Utility issue fee (or reissue) Fee from Ext<u>ra Claim</u>s 1502 2502 230 460 Design issue fee **Total Claims** -20\*\* = 2503 1503 620 Plant Issue fee 310 Independent 1460 130 1460 130 Petitions to the Commissioner Claims

Multiple Dependent 1807 50 1807 Processing fee under 37 CFR 1.17(q) 50 Large Entity Small Entity 1806 180 1806 Submission of Information Disclosure Stmt Fee Description Fee Recording each patent assignment per Code (\$) Code (\$) 8021 40 8021 40 property (times number of properties) Claims in excess of 20 1202 18 2202 9 Filing a submission after final rejection 1809 740 2809 370 independent claims in excess of 3 1201 2201 (37 CFR 1.129(a)) 1203 280 Multiple dependent claim, if not paid 2203 140 For each additional invention to be 1810 740 2810 370 examined (37 CFR 1.129(b)) \*\* Reissue independent claims 1204 2204

**or number previously paid, if greater; For Reissues, see above				SUBTOTAL (3) (\$)		
SUBMITTED BY			(Complete	e (if applicable)		
Name (Print/Type)	Steven Sullivan	Registration No. (Attorney/Agent)	Telephone 703 282 9174			
Signature	Steve Sull.		Date	7/7/03		

1802 900

Other fee (specify)

1801 740 2801

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Reduced by Basic Filing Fee Paid

Request for Continued Examination (RCE) Request for expedited examination

SUBTOTAL (3) (\$)

of a design application

over original patent

SUBTOTAL (2)

1205 18 2205

\*\* Reissue claims in excess of 20

(\$)

and over original patent

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.